In the Claims

Please amend the claims as follows:

- (Cancelled)
- (Currently Amended) A carburetor for an internal combustion engine, as recited
 in claim 16, comprising a jet nozzle disposed within the jet passageway, wherein the outlet of the
 passage of the fuel enrichment system communicates with the jet nozzle.
- 3. (Currently Amended) A carburetor for an internal combustion engine, as recited in claim 16, comprising a bowl vent, formed in the body, interconnecting the intake bore and the interior volume of the fuel bowl, wherein the inlet of the passage of the fuel enrichment system communicates with the bowl vent.
- 4. (Original) A carburetor for an internal combustion engine, as recited in claim 3, comprising a jet nozzle disposed within the jet passageway, wherein the outlet of the passage of the fuel enrichment system communicates with the jet nozzle.
 - 5. (Cancelled)

comprising:

a body having a first end that fastens to an air filter, a second end that fastens to an intake

port of a cylinder head, an intake bore formed in the first end, a throttle bore formed in the

second end, a venturi formed between the intake bore and the throttle bore that interconnects the

intake bore and throttle bore, and a jet passageway extending from the venturi through the body

for providing fuel to the venturi;

a fuel bowl, having walls that define an interior volume, fastened to the body;

a fuel enrichment system, responsive to the vibration of the engine, having a passage

formed in the body that has an inlet that communicates with the intake bore and an outlet that

communicates with the jet passageway, wherein the fuel enrichment system reduces the flow of

air through the passage when the engine is at speeds less than idle speed and increases the flow

of air through the passage when the engine is at speeds greater than cranking speed, wherein the

fuel enrichment system comprises:

a valve seat disposed within the passage in the body, the valve seat having a passage to

allow the flow of air through the valve seat;

a ball disposed within the passage in the body, wherein the ball seats against the valve

seat blocking the passage in the valve seat when the engine is at speeds less than cranking speed

and unseats from the valve seat and vibrates within the passage in the body thereby unblocking

the passage in the valve seat and allowing air to flow through the passage in the valve seat when

the engine is at speeds greater than cranking speed; and;

A carburetor for an internal combustion engine, as recited in claim 5, wherein:

the passage in the body is formed by a generally vertical bore, which extends from a proximal

OBMKE\550270.91251\5832275.1

U.S. Serial No. 10/744,094

Art Unit No. 1724

Page 5

end at the inlet of the passage of the fuel enrichment system through the body to a distal end that

communicates with the internal volume of the fuel bowl, and a generally horizontal bore, which

extends from a proximal end at the generally vertical bore to a distal end at the outlet of the

passage of the fuel enrichment system;

the valve seat is press fit into the distal end of the generally vertical bore; and

the passage in the valve seat allows the flow of air from the vertical bore to the horizontal bore.

7. (Original) A carburetor for an internal combustion engine, as recited in claim

6, wherein the passage through the valve seat comprises:

a generally vertical bore that communicates with the generally vertical bore of the

passage and extends into the valve seat; and

a generally horizontal bore that extends from the generally vertical bore in the valve seat

to the generally horizontal bore of the passage.

8. (Original) A carburetor for an internal combustion engine, as recited in claim

7, wherein the passage through the valve seat further comprises a second generally horizontal

bore, perpendicular to the horizontal bore, that extends from the generally vertical bore in the

valve seat to the generally horizontal bore of the passage.

9. (Cancelled)

(Currently Amended) An internal combustion engine, as recited in claim 914,

comprising a jet nozzle disposed within the jet passageway, wherein the outlet of the passage of

the fuel enrichment system communicates with the jet nozzle.

11. (Currently Amended) An internal combustion engine, as recited in claim 914,

comprising a bowl vent, formed in the body, interconnecting the intake bore and the interior

volume of the fuel bowl, wherein the inlet of the passage of the fuel enrichment system

communicates with the bowl vent.

12. (Original) An internal combustion engine, as recited in claim 11, comprising

a jet nozzle disposed within the jet passageway, wherein the outlet of the passage of the fuel

enrichment system communicates with the jet nozzle.

(Cancelled)

14. (Currently Amended) An internal combustion engine having a carburetor that is

fastened between an air filter and an intake port of a cylinder head, the carburetor comprising:

a body having a first end that fastens to the air filter, a second end that fastens to the

intake port, an intake bore formed in the first end, a throttle bore formed in the second end, a

venturi formed between the intake bore and the throttle bore that interconnects the intake bore

and throttle bore, and a jet passageway extending from the venturi through the body for

and throttle bore, and a jet passageway extending from the venturi through the body for

providing fuel to the venturi;

a fuel bowl, having walls that define an interior volume, fastened to the body;

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a fuel enrichment system, responsive to the vibration of the engine, having a passage formed in the body that has an inlet that communicates with the intake bore and an outlet that

communicates with the jet passageway, wherein the fuel enrichment system reduces the flow of

air through the passage when the engine is at speeds less than cranking speed and increases the

flow of air through the passage when the engine is at speeds greater than cranking speed,

wherein the fuel enrichment system comprises:

a valve seat disposed within the passage in the body, the valve seat having a passage to

allow the flow of air through the valve seat;

a ball disposed within the passage in the body, wherein the ball seats against the valve

seat blocking the passage in the valve seat when the engine is at speeds less than cranking speed

and unseats from the valve seat and vibrates within the passage in the body thereby unblocking

the passage in the valve seat and allowing air to flow through the passage in the valve seat when

the engine is at speeds greater than cranking speed; and

An internal combustion engine, as recited in claim 13, wherein:

the passage in the body is formed by a generally vertical bore, which extends from a

proximal end at the inlet of the passage of the fuel enrichment system through the body to a

distal end that communicates with the internal volume of the fuel bowl, and a generally

horizontal bore, which extends from a proximal end at the generally vertical bore to a distal end

at the outlet of the passage of the fuel enrichment system;

the valve seat is press fit into the distal end of the generally vertical bore; and

the passage in the valve seat allows the flow of air from the vertical bore to the horizontal

bore.

U.S. Serial No. 10/744,094

Art Unit No. 1724

Page 8

15. (Original) An internal combustion engine, as recited in claim 14, wherein the

passage through the valve seat comprises:

a generally vertical bore that communicates with the generally vertical bore of the

passage and extends into the valve seat; and

a generally horizontal bore that extends from the generally vertical bore in the valve seat

to the generally horizontal bore of the passage.

16. (Original) An internal combustion engine, as recited in claim 15, wherein the

passage through the valve seat further comprises a second generally horizontal bore,

perpendicular to the horizontal bore, that extends from the generally vertical bore in the valve

seat to the generally horizontal bore of the passage.

17. (Currently Amended) A carburetor for an internal combustion engine,

comprising:

a throat having a bore that extends through it from a first end into which combustion air

is drawn to a second end through which an air/fuel mixture exits the throat;

a fuel bowl having walls that define an interior volume;

a jet passageway from the interior volume of the fuel bowl to the bore of the throat to

provide a flow of fuel from the interior volume of the fuel bowl to the bore of the throat to mix

with the flow of air through the bore;

a fuel enrichment system having a passage formed in a body, said passage has an inlet in

communication with the bore of the throat, the fuel enrichment system having an air passageway

that supplies a flow of air to the jet passageway at engine speeds above a start-up cranking speed

OBMKE\550270.91251\5832275.1

U.S. Serial No. 10/744,094

Art Unit No. 1724

Page 9

of the engine, the fuel enrichment systemdevice being responsive to vibration of the engine at

normal engine operating speeds to reduce the flow of air through the air passageway to the jet

passageway above the start-up cranking speed of the engine;

the passage in the body being formed by a generally vertical bore, which extends from a

proximal end at the inlet of the passage of the fuel enrichment system through the body to a

distal end that communicates with the interior volume of the fuel bowl, and a generally

horizontal bore, which extends from a proximal end at the generally vertical bore to a distal end

at an outlet of the passage of the fuel enrichment system; and

a valve seat press fit into the distal end of the generally vertical bore, a passage in the

valve seat allows the flow of air from the vertical bore to the horizontal bore.

18. (Original) A carburetor for an internal combustion engine, as recited in claim

17, wherein the air passageway of the fuel enrichment device opens in the jet passageway.

(Currently Amended) A carburetor for an internal combustion engine, as recited

in claim 17, wherein the fuel enrichment device has an element that opens an air valve to

increase the flow or air through the air passageway in response to vibration of the engine at

normal engine operating speeds above the start-up cranking speed of the engine.

20. (Original) A carburetor for an internal combustion engine, as recited in claim

19, wherein the element is a ball, and the ball vibrates at normal engine operating speeds above

the start-up cranking speed of the engine to open the air valve.

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